

Title (en)
Instrumented bearing device

Title (de)
Instrumentierte Lagervorrichtung

Title (fr)
Dispositif de roulement instrumenté

Publication
EP 1739317 A1 20070103 (FR)

Application
EP 06290766 A 20060512

Priority
FR 0506660 A 20050629

Abstract (en)
The bearing has outer and inner rings (2, 4) with raceways (3, 5), and rolling elements, i.e. balls, between the raceways. A sensor (11) with a sensor block (12) is supported by the outer ring. The block is fixed on a lateral side of the outer ring by a connection element (14). The element (14) has a thermosetting/thermoplastic material connected at the plastic state on the block, for being fixed on the outer ring's lateral face and ensures, at the hardened state, fixation of the block and outer ring by cooperation of block's surfaces in shape complementarity with outer ring surfaces. An independent claim is also included for a method of fixation of a sensor block on a bearing.

IPC 8 full level
F16C 19/52 (2006.01); **G01P 3/44** (2006.01)

CPC (source: EP)
F16C 33/80 (2013.01); **F16C 41/007** (2013.01); **G01P 3/443** (2013.01); **F16C 19/06** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1739317 A1 20070103; **EP 1739317 B1 20071219**; AT E381677 T1 20080115; DE 602006000341 D1 20080131;
DE 602006000341 T2 20081127; DK 1739317 T3 20080505; FR 2887942 A1 20070105; FR 2887942 B1 20070928; JP 2007010150 A 20070118

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EP 06290766 A 20060512; AT 06290766 T 20060512; DE 602006000341 T 20060512; DK 06290766 T 20060512; FR 0506660 A 20050629;
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